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Applicant's or agent's file reference

100997-1 WO

International application No.

PCT/GB2004/002828

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

		<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International filing date (day/month/year)	30/06/2004	(Earliest) Priority Date (day/month/year)	30/06/2003
Applicant			
ASTRAZENECA AB			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this International search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/002828

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G01N33/50 C12Q1/02 G01N33/68

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 G01N C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 265 073 A (TIBOTEC PHARM LTD) 11 December 2002 (2002-12-11)  page 3, line 36 – page 5, line 30; figures 1,2; examples 1,2	1,4,7, 10-13, 20-25
X	WO 01/85978 A (IMEC INTER UNI MICRO ELECTR ; VERHAEGEN KATARINA (BE); VERWAERDE PHILI) 15 November 2001 (2001-11-15) the whole document	1-12, 20-25

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

7 September 2004

28/09/2004

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/002828

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JOHANNESSEN E A ET AL: "MICROMACHINED NANOCALORIMETRIC SENSOR FOR ULTRA-LOW-VOLUME CELL-BASED ASSAYS" ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US, vol. 74, no. 9, 1 May 2002 (2002-05-01), pages 2190-2197, XP001132722 ISSN: 0003-2700 the whole document	1, 4, 7, 10-13, 20-25
X	VELAZQUEZ-CAMPOY A ET AL: "HIV-1 protease inhibitors: Enthalpic versus entropic optimization of the binding affinity" BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, PA, US, vol. 39, no. 9, 7 March 2000 (2000-03-07), pages 2201-2207, XP002254944 ISSN: 0006-2960 the whole document	1, 4, 7, 10-13, 15, 20-25
A	PIERCE M M ET AL: "Isothermal Titration Calorimetry of Protein-Protein Interactions" METHODS : A COMPANION TO METHODS IN ENZYMOLOGY, ACADEMIC PRESS INC., NEW YORK, NY, US, vol. 19, no. 2, October 1999 (1999-10), pages 213-221, XP004466826 ISSN: 1046-2023 the whole document	1-25
A	WALDRON TRAVIS T ET AL: "Stabilization of proteins by ligand binding: Application to drug screening and determination of unfolding energetics." BIOCHEMISTRY, vol. 42, no. 17, 6 May 2003 (2003-05-06), pages 5058-5064, XP002295255 ISSN: 0006-2960 the whole document	1-25

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/002828

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 1265073	A	11-12-2002	EP 1265073 A2 US 2003113748 A1	11-12-2002 19-06-2003
WO 0185978	A	15-11-2001	AU 5996101 A AU 5996201 A WO 0185978 A2 WO 0185901 A2 EP 1281067 A2 EP 1281068 A2 JP 2003532876 T JP 2003532877 T US 2004038227 A1 US 2004038228 A1	20-11-2001 20-11-2001 15-11-2001 15-11-2001 05-02-2003 05-02-2003 05-11-2003 05-11-2003 26-02-2004 26-02-2004